Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Defense Logistics Agency

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM)

DATE: February 2010

BA 3: Advanced Technology Development (ATD)

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	28.414	29.203	29.109	0.000	29.109	29.024	28.944	29.448	29.954	Continuing	Continuing
1: Capabilities Based Logistics	5.380	1.548	2.214	0.000	2.214	3.191	4.131	4.177	4.219	Continuing	Continuing
2: Deployment and Distribution Velocity Management	6.591	7.644	5.322	0.000	5.322	5.595	5.883	5.991	6.102	Continuing	Continuing
3: Cross Domain Intuitive Planning	1.815	2.430	1.804	0.000	1.804	1.739	1.859	1.894	1.928	Continuing	Continuing
4: End-to-End Visibility	2.779	4.755	4.765	0.000	4.765	3.921	4.680	4.765	4.853	Continuing	Continuing
5: Distribution Planning and Forecasting	2.750	2.870	2.753	0.000	2.753	2.870	3.073	3.130	3.186	Continuing	Continuing
6: Joint Transportation Interface	7.174	8.831	7.376	0.000	7.376	8.208	7.845	7.990	8.137	Continuing	Continuing
7: Distribution Protection/Safety/ Security	1.925	1.125	4.875	0.000	4.875	3.500	1.473	1.501	1.529	Continuing	Continuing

A. Mission Description and Budget Item Justification

Overseas Contingency Operations (OCO) lessons learned and daily operations indicate that current distribution and logistics processes remain outdated and are rarely capable of providing required warfighter support in an agile, efficient and economical manner. Designation of United States Transportation Command (USTRANSCOM) as the Distribution Process Owner (DPO) and shift within the Department to transform the distribution and logistics processes, demands the examination and improvement of the entire supply chain. Unpredictable and extended global distribution routes, limited visibility of sustainment requirements, force packaging limitations, lift constraints, complex supply chains, as well as non-networked battlefield command and control (C2), planning, and decision support tools impede timely warfighter logistical support. The centralization of distribution and logistics intermodal research and development facilitates the development/fielding of transformational enhancements to validated distribution capability gaps. The USTRANSCOM Research, Development, Test, & Evaluation (RDT&E) program explores and matures promising technologies to enhance support to combatant commanders and other customers of Department of Defense's (DoD's) distribution and transportation systems.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Defense Logistics Agency

R-1 ITEM NOMENCLATURE

APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM)

DATE: February 2010

BA 3: Advanced Technology Development (ATD)

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	30.000	29.356	0.000	0.000	0.000
Current President's Budget	28.414	29.203	29.109	0.000	29.109
Total Adjustments	-1.586	-0.153	29.109	0.000	29.109
 Congressional General Reductions 		0.000			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		0.000			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	-1.508	0.000			
 SBIR/STTR Transfer 	-0.078	0.000			
 FY 2011 Other Program Changes 	0.000	0.000	29.109	0.000	29.109
 FY 2010 Economic Assumptions 	0.000	-0.140	0.000	0.000	0.000
 FY 2010 Federally Funded Research and 	0.000	-0.013	0.000	0.000	0.000
Development Center Reduction					

Change Summary Explanation

Reprogram JALIS-NG project (PE0607713S) to BA6: \$.733M

FY 2009 - 26 PA OMNIBUS Reprogramming Action: \$.694M

FY 2009 Economic Assumptions: \$.081M

FY 2010 Economic Assumptions: \$.140M

FY 2010 Federally Funded Research and Development Center Reduction: \$.013M

DATE: February 2010

EXHIBIT K-ZA, KDT&L FTOJECT JUST	illication. F	2011 Dele	rise Logistic	s Agency					DAIL. 1 60	luary 2010	
	PRIATION/BUDGET ACTIVITY esearch, Development, Test & Evaluation, Defense-Wide dvanced Technology Development (ATD)				IOMENCLA 3S: Deploym Technology (nent and Dis		PROJECT 1: Capabilities Based Logistics			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
1: Capabilities Based Logistics	5.380	1.548	2.214	0.000	2.214	3.191	4.131	4.177	4.219	Continuing	Continuing

A. Mission Description and Budget Item Justification

Fyhihit R-24 RDT&F Project Justification: PR 2011 Defense Logistics Agency

The Department requires procedures and technologies which provide enterprise-level capabilities critical to the distribution system to improve performance of the end-to-end DoD supply chain in direct support of the full range of military operations. Ability to rapidly respond to customers' changing demands, with a reliably high level of service. These needs include: capabilities which enhance any supply or transportation mission (aeromedical, air refueling, joint logistics over-the-shore, and seabasing); analysis, tailoring and implementation of selected best enterprise-level practices from industry; and tools/procedures to optimize transportation plus supply (distribution) plans and schedules in support of an entire operation. This project addresses the required mission support to combatant commanders and other customers in the area of capability-based logistics.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Capabilities Based Logistics Accomplishments/Plans	5.380	1.548	2.214	0.000	2.214
FY 2009 Accomplishments: Completed Node Management Web/Client development and transition activities. Funded Office of Research and Technology Applications (ORTA) initiatives. Commenced effort with Office of Naval Research (ONR)/ Office of the Chief of Naval Operations (OPNAV) on capability to move half loaded 20ft. containers at sea.					
FY 2010 Plans: Continue to fund/support ORTA efforts. Continue collaboration effort with ONR/OPNAV to develop ability to conduct at sea transfer of fully loaded containers within the seabase.					
FY 2011 Base Plans: Continue to fund/support ORTA efforts. Begin development of capability to link various types of service ship-to-shore causeways.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM) 1: Capabilities Based Logistics

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Accomplishments/Planned Programs Subtotals	5.380	1.548	2.214	0.000	2.214

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Critical enterprise-level distribution system capabilities to improve DoD supply chain performance. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Just	stification: Pl	B 2011 Defe	nse Logistic	s Agency					DATE: February 2010				
1	PRIATION/BUDGET ACTIVITY Research, Development, Test & Evaluation, Defense-Wide advanced Technology Development (ATD) R-1 ITEM NOMENCLATURE PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM) PROJECT 2: Deployment and Distribution Management						PE 0603713S: Deployment and Distribution 2: Deployment and D						
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost		
2: Deployment and Distribution Velocity Management	6.591	7.644	5.322	0.000	5.322	5.595	5.883	5.991	6.102	Continuing	Continuing		

A. Mission Description and Budget Item Justification

DoD requires procedures/technologies targeted at optimizing throughput at the nodes and through the conduits of the deployment and distribution supply chains, from origin to point of use and return to include: inventory management enhancers (includes node cargo management/tracking); materiel handling innovations (including methods of reducing handling); improved physical access to nodes (includes aircraft all-weather visual systems); port throughput enhancements (includes in-port time reduction methods); and innovative delivery methods (for example, precision airlift, autonomous re-supply). This project addresses required mission support to combatant commanders and other customers of DoD's distribution and transportation systems in the area of deployment/distribution velocity management.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Deployment and Distribution Velocity Management Accomplishments/Plans	6.591	7.644	5.322	0.000	5.322
FY 2009 Accomplishments: Completed Joint Modular Intermodal Distribution System (JMIDS)/Joint Capability Technology Demonstration (JCTD) and pursued development of lighter version of Joint Modular Intermodal Container to meet evolving warfighter need. Prototyped air-skid to allow the movement of cargo and vehicles around the cargo hold without having to move vehicles with drivers or use forklifts/other material handling equipment. Commenced development of a common joint cargo handling system (Joint Recovery and Distribution System (JRaDS JCTD) that meets or exceeds the requirements for multiple joint operational concepts (including major combat, overseas contingency operations, and stability operations). Completed development of capability to carry oversized vehicles on containerships. Continued development of unique identification number for commodities in supply chain.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM)

2: Deployment and Distribution Velocity Management

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: Continue air-skid development/assessment to move cargo/vehicles without use of vehicles with drivers or material handling equipment while at sea. Continue development/assessment of a common joint cargo handling system (JRaDS) that meets or exceeds the requirements for multiple joint operational concepts. Continue development of unique identification number for commodities in supply chain.					
FY 2011 Base Plans: Complete air-skid development, document requirement within Joint Capability Integrated Development System (JCIDS), and transition proven technologies. Conduct user evaluation and commence transition activities associated with common joint cargo handling system (JRaDS). Complete unique ID number.					
Accomplishments/Planned Programs Subtotals	6.591	7.644	5.322	0.000	5.322

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Increase force projection and sustainment velocity. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Just	ification: Pl	3 2011 Dete	nse Logistic	s Agency					DATE: Feb	ruary 2010	
APPROPRIATION/BUDGET ACTIV 0400: Research, Development, Test BA 3: Advanced Technology Develo	& Evaluation		Nide	R-1 ITEM NOMENCLATURE PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM)				PROJECT 3: Cross Do			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
3: Cross Domain Intuitive Planning	1.815	2.430	1.804	0.000	1.804	1.739	1.859	1.894	1.928	Continuing	Continuing

A. Mission Description and Budget Item Justification

Procedures/technologies which improve decision-making and collaboration within the supply chain, from the planning stage to real-time execution and retrograde operations, without need for highly specialized operators of the tools. Projects in this area address following areas: decision support tools for any echelon of the supply chain or decision-maker, distribution process simulations and models for analysis and training, distribution demand forecasting/execution monitoring tools, online training, automated decision-maker support (e.g., queuing, alerting, recommended courses of action), automated status monitoring with information fusion and drilldown capability, and resilient C2 infrastructure capabilities. This project will provide required mission support to combatant commanders and other distribution/ transportation customers in the area of collaborative planning/execution/information sharing/decision support tools.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Cross Domain Intuitive Planning Accomplishments/Plans	1.815	2.430	1.804	0.000	1.804
FY 2009 Accomplishments: Continued efforts to enhance Deployment Distribution Operations Center (DDOC) operations through work flow engineering. Commenced development of cross domain suite of tools for joint warfighter with text chat language, translation, whiteboard, audio and extendable markup language (XML) guard functionality (Cross Domain Collaborative Info Environment (CDCIE) JCTD). Commenced collaborative effort with United States Marine Corps (USMC) to link tactical maintenance status/report to strategic systems.					
FY 2010 Plans: Continue efforts to enhance DDOC operations through work flow engineering. Complete development/evaluation of cross domain suite of tools for joint warfighter with text chat language, translation, whiteboard, audio and XML guard functionality ((CDCIE) JCTD) and commence transition					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide PE 0603713S: Deployment and Distribution 3: Cross

BA 3: Advanced Technology Development (ATD)

Enterprise Technology (USTRANSCOM)

3: Cross Domain Intuitive Planning

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
activities. Continue collaborative effort with USMC to link tactical maintenance status/report to strategic systems.					
FY 2011 Base Plans: Continue efforts to enhance DDOC operations through work flow engineering. Complete development/assessment to link USMC tactical maintenance status/report information to strategic systems. Begin to develop capability to predict maint and logistics issues/demand forecasting to optimize supply chain.					
Accomplishments/Planned Programs Subtotals	1.815	2.430	1.804	0.000	1.804

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Improve decision-making and collaboration within the supply chain and focus on research and development to address warfighting requirements.

DATE: Echruany 2010

EXHIBIT K-ZA, KDT&L FTOJECT 3	astilication. F	2011 Dele	rise Logistic	s Agency					DAIL. 1 60	luary 2010	
APPROPRIATION/BUDGET AC 0400: Research, Development, 7 BA 3: Advanced Technology Dev	R-1 ITEM NOMENCLATURE PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM)				PROJECT 4: End-to-E	nd Visibility					
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To	Total Cost
4: End-to-End Visibility	2.779	4.755	4.765	0.000	4.765	3.921	4.680	4.765	4.853	Continuina	Continuin

A. Mission Description and Budget Item Justification

Exhibit R-24 RDT&F Project Justification: PR 2011 Defense Logistics Agency

Warfighters need end-to-end visibility of all aspects of the projection and sustainment to enable operations. This requires investigation into next generation Automated Information Technology (AIT)/Total Asset Visibility (TAV) technologies and/or container security to improve end-to-end distribution visibility and enhance planning/ execution and transform sustainment operations. Includes the ability to determine immediate, reliable, and accurate shipment status through system access or event management. Develop an over-arching process and system architecture which will automate and integrate existing and innovative new programs across the supply chain to provide complete In Transit Visibility (ITV) data.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
End-to-End Visibility Accomplishments/Plans	2.779	4.755	4.765	0.000	4.765
FY 2009 Accomplishments: Tested and evaluated military utility of commercial off the shelf (COTS) satellite tracking devices to enhance in transit visibility. Commenced next generation Portable Deployment Kit effort designed to provide end-to-end visibility in austere/mobile environments. Commenced development with Army/ Logistics Info Agency (LIA) of a mobile AIT capability in a military environment in all environments. Commenced multi-year effort with Air Force Institute of Technology (AFIT) to investigate emerging Modeling and Simulation (M&S) technologies for distribution. FY 2010 Plans: Complete next generation Portable Deployment Kit (PDK) effort designed to provide end-to-end visibility in austere/mobile environments. Continue development with Army/Logistics Info Agency of a mobile AIT capability in a military environment in all environments. Continue M&S innovation with					
AFIT.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM) 4: End-to-End Visibility

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: Complete development/assessment of mobile AIT capability and commence JCIDS documentation and transition related activities. Begin effort to gain visibility over non-DOD stock during humanitarian assistants operations. Develop effort to increase the range of reading RFID tags. Continue M&S innovation.					
Accomplishments/Planned Programs Subtotals	2.779	4.755	4.765	0.000	4.765

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Provide end-to-end visibility of all aspects of the projection and sustainment of forces and equipment. Plus focus on research and development to address warfighting requirements.

	Exhibit R-2A, RD1&E Project Just	ification: Pl	3 2011 Defe	nse Logistic	s Agency					DAIE: Feb	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)					PE 060371	, ,	TURE nent and Dist USTRANSC		PROJECT 5: Distributi	PROJECT 5: Distribution Planning and Forecasting		
	COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
	5: Distribution Planning and Forecasting	2.750	2.870	2.753	0.000	2.753	2.870	3.073	3.130	3.186	Continuing	Continuing

A. Mission Description and Budget Item Justification

There is a lack of collaborative distribution planning, based on an understanding of aggregated customer requirements, for optimizing the end-to-end distribution process. Planning, forecasting and collaboration are insufficiently advanced to fully synchronize people, processes and assets to execute planned operations. Automated tools should be able to dynamically analyze/predict demand and provide input to advanced distribution planning systems. Project investigates the need for flexible end-to-end enhanced modeling and simulation and collaborative decision support tools.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Distribution Planning and Forecasting Accomplishments/Plans	2.750	2.870	2.753	0.000	2.753
FY 2009 Accomplishments: Commenced effort with Joint Forces Command (JFCOM) and Services to develop a Single Load Planning Capability-Collaborative Info Workspace (SLPC-CIW) that enables load planners across the enterprise to collaborate to provide end-to-end load plans.					
FY 2010 Plans: Complete SLPC-CIW effort.					
FY 2011 Base Plans: Commence integration of projection and sustainment planning and decision support tools into a federate suite. Commence effort to build a highly configurable, agile Distribution Process Nodal Model capable of expressing and analyzing complex and detailed distribution processes at nodes. Commence anti-piracy automated information system to increase visibility/tracking of vessels as					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistic		DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
0400: Research, Development, Test & Evaluation, Defense-Wide	PE 0603713S: Deployment and Distribution	5: Distributi	on Planning and Forecasting
BA 3: Advanced Technology Development (ATD)	Enterprise Technology (USTRANSCOM)		

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
sea. Develop data quality and standardization for decision support utilizing semantic technology. Commence effort to develop tool to optimize planning for air refueling tasking and allocation.					
Accomplishments/Planned Programs Subtotals	2.750	2.870	2.753	0.000	2.753

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Planning based on an understanding of customer requirements for optimizing the distribution process. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency									DATE: Feb	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)					11 11				PROJECT 6: Joint Transportation Interface		
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
6: Joint Transportation Interface	7.174	8.831	7.376	0.000	7.376	8.208	7.845	7.990	8.137	Continuing	Continuing

A. Mission Description and Budget Item Justification

Synchronizing strategic/theater delivery capabilities to meet increasingly dynamic customer needs. Transportation information exchange across the DoD is inhibited by the disparity of systems, differing data standards, and insufficient interfaces. Queries and retrieval of status and shipment information cannot be executed due to lack of connectivity between the various components of the supply chain. The ability to maintain situational awareness of movements at macro/micro (drill down) levels, with associated force and sustainment cargo on board; to track force packages progress, and rapidly determine the impact of any delays or changes to sailing progress and arrival at port of debarkation; and to conduct "what -if" impact assessment of possible changes to delivery asset's course, speed or departure/arrival information as it relates to force or force package delivery/impact of any change on the closure of force packages in theater is required. The ability of USTRANSCOM to supply transportation support for homeland defense and/or disaster relief depends on effective ways to link with other governmental and civilian agencies. Also need to explore the many barriers across the Joint Deployment and Distribution Enterprise (JDDE), to include non-DoD government entities, coalition partners, non-government organizations, and commercial industry, which can create confusion/conflict or detract from the optimization of the JDDE.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Joint Transportation Interface Accomplishments/Plans	7.174	8.831	7.376	0.000	7.376
FY 2009 Accomplishments: Continued multi-year development/integration of systems for Common Operational Picture for Deployment and Distribution (COP D2) that will mitigate effect of multiple, overlapping functional legacy systems and business processes, and provide timely, relevant, and actionable information to enhance the warfighters' level of confidence in joint distribution processes. Continued development of database/query tool to exchange air and sealift schedules to support Coalition Task Force operations enhancing logistics information exchange between coalition partners – effort supporting Coalition Mobility System (CMS) JCTD. Developed the Community of Exchange (CoEx) for JDDE that will enable interoperability among heterogeneous systems and facilitate exchange of knowledge within the context of formalized JDDE processes. Continued Exploration of cognitive-based visualization,					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency **DATE:** February 2010 R-1 ITEM NOMENCLATURE **PROJECT** APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide PE 0603713S: Deployment and Distribution BA 3: Advanced Technology Development (ATD)

Enterprise Technology (USTRANSCOM)

6: Joint Transportation Interface

FY 2010

FY 2011

Base

FY 2011

OCO

FY 2011

Total

B. Accomplishments/Planned Program (\$ in Millions)

alerting and optimization engines that make optimal/near optimal resource allocation, transportation. and distribution recommendations.

FY 2010 Plans:

Continue COP(D2) and Coalition Mobility System (CMS) JCTD efforts. Commence multi-year development of an automated data quality analysis capability linked to the Enterprise Data Warehouse (EDW) that will enable end-to-end analysis of data quality and system performance. Support AT21Cooperative Research and Development Agreement (CRADA) efforts. Continue development of cognitive-based visualization, alerting and optimization engine effort. Begin effort to investigate/ demonstrate semantic solutions in support of the Corporate Governance Processes (CGP).

FY 2011 Base Plans:

Continue COP(D2) efforts/transition CMS JCTD proven technologies. Continue multi-year development of an automated data quality analysis capability linked to the Enterprise Data Warehouse (EDW) that will enable end-to-end analysis of data quality and system performance. Support Agile Transportation for the 21st Century (AT21) Cooperative Research and Development Agreement (CRADA) efforts. Complete development/commence assessment of cognitive-based visualization, alerting and optimization engine effort. Complete demonstration of semantic solutions for CGP.

Accomplishments/Planned Programs Subtotals	7.174	8.831	7.376	0.000	7.376
		·	,	·	

FY 2009

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Log	DATE: February 2010						
0400: Research, Development, Test & Evaluation, Defense-Wide	PROJECT 6: Joint Transportation Interface						
APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT							

EXHIBIT R-2A, RDI&E Project Just	esearch, Development, Test & Evaluation, Defense-Wide PE 0603713S: Deployment and Distribution 7: D							DAIE: Feb	ruary 2010		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)					3S: Deploym	ent and Dis		PROJECT 7: Distribution Protection/Safety/Security			curity
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
7: Distribution Protection/Safety/ Security	1.925	1.125	4.875	0.000	4.875	3.500	1.473	1.501	1.529	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Theater Commander has not always been able to provide the appropriate security in a timely manner during deployment. In some cases there are insufficient security assets to oversee convoy security in-country; therefore, all movement requirements are competing for the same limited resources. Additionally need to explore new, portable methods of detecting hazardous/asymmetric materials in very small quantities to support safe logistics operations. Also explore technologies to enhance the capability to deliver personnel/materiel to anti-access/austere airfields and seaports.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Distribution Protection/Safety/Security Accomplishments/Plans	1.925	1.125	4.875	0.000	4.875
FY 2009 Accomplishments: Developed, integrated and tested advanced sensors, guidance approaches, and control system technologies relevant to all weight classes of Joint Precision Airdrop Systems (JPADS). Completed light-weight trauma module development/commence transition activities into program of record. Commenced collaborative effort with USMC, JFCOM, and Army to assess capability of sustaining warfighters via unmanned aerial system slingload.					
FY 2010 Plans: Development of improved guidance/navigation/control systems to improve the delivery accuracy of airdropped supplies. Complete demonstration of unmanned aerial system sling load capability.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Logistics Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

C -1 -

R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)

PE 0603713S: Deployment and Distribution Enterprise Technology (USTRANSCOM) 7: Distribution Protection/Safety/Security

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: Development of improved guidance/navigation/control systems to improve the delivery accuracy of airdropped supplies. Begin development of capability to delivery joint precision airdrop from helicopter slingload. Commence development of standoff cargo screening for explosives/chemicals. Start effort to investigate effects of chemical agents on aircraft structures. Develop ability to decontaminate aircraft interiors using heat and humidiity.					
Accomplishments/Planned Programs Subtotals	1.925	1.125	4.875	0.000	4.875

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Providing the appropriate security in a timely manner during deployment and distribution operations. Plus focus on research and development to address warfighting requirements.